

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1.     **(Original)** A system for at least one of skin tanning and phototherapy, comprising:

a chamber adapted for at least one of skin tanning and phototherapy; and

a nanostructure UV light emitting device.

2.     **(Original)** The system of claim 1, wherein the system is adapted for skin tanning.

3.     **(Original)** The system of claim 1, wherein the system is adapted for phototherapy.

4.     **(Original)** The system of claim 1, wherein the system is adapted for both skin tanning and phototherapy.

5.     **(Currently Amended)** The system of claim 1, wherein the chamber comprises a bed or a booth.

6.     **(Currently Amended)** The system of claim 1, wherein the nanostructure UV light emitting device comprises at least one of a nanoparticle and a nanowire UVA light emitting device ~~chamber comprises a booth~~.

7.     **(Currently Amended)** The system of claim 6, further comprising a UV excitation source which is positioned to provide UV excitation radiation of a first peak

wavelength onto the nanostructure UV light emitting device to cause the nanostructure UV light emitting device to emit UVA light having a second UVA peak wavelength longer than the first peak wavelength 1, wherein the nanostructure UV light emitting device comprises at least one of a nanoparticle and a nanowire UVA light emitting device.

8. **(Currently Amended)** The system of claim 7, wherein the UV light emitting device comprises nanoparticles having an average diameter smaller than 100 nm or nanowires having an average thickness smaller than 150 nm further comprising a UV excitation source which is positioned to provide UV excitation radiation of a first peak wavelength onto the nanostructure UV light emitting device to cause the nanostructure UV light emitting device to emit UVA light having a second UVA peak wavelength longer than the first peak wavelength.

9. **(Currently Amended)** The system of claim 7, wherein the UV light emitting device comprises a UVA-1 light emitting device and the nanoparticles emit only UVA-1 light due to their size having an average diameter smaller than 100 nm.

10. **(Currently Amended)** The system of claim 7, wherein the UV light emitting device comprises:

a first layer of first nanoparticles or nanowires located proximal to the UV excitation source, wherein the first nanoparticles or nanowires emit UV light of a third peak wavelength longer than the first peak wavelength when irradiated with the UV excitation radiation; and

a second layer of second nanoparticles or nanowires located distal from the UV excitation source, such that the first layer is located between the second layer and the UV excitation source, wherein the second nanoparticles or nanowires emit UV light of the second peak wavelength longer than the third peak wavelength when irradiated with the UV light from the nanoparticles or nanowires of the first layer 8, wherein the UV light emitting device comprises nanowires having an average thickness smaller than 150 nm.

11. **(Currently Amended)** The system of claim 7, wherein:

the UV excitation source comprises a gas vessel comprising a gas which is adapted to emits the UV excitation radiation in response to a stimulus; and

the UV light emitting device comprises at least one layer of nanoparticles coated on an inner surface of at least one UV light transparent wall of the gas vessel 8, wherein the UV light emitting device comprises a UVA-1 light emitting device.

12. **(Currently Amended)** The system of claim 7, wherein:

the UV excitation source comprises a UV lamp; and

the UV light emitting device comprises at least one layer of nanoparticles coated on an outer surface of the UV lamp 8, wherein the UV light emitting device comprises:

~~—— a first layer of first nanoparticles or nanowires located proximal to the UV excitation source, wherein the first nanoparticles or nanowires emit UV light of a third peak wavelength longer than the first peak wavelength when irradiated with the UV excitation radiation; and~~  
~~—— a second layer of second nanoparticles or nanowires located distal from the UV excitation source, such that the first layer is located between the second layer and the UV excitation source, wherein the second nanoparticles or nanowires emit UV light of the second peak wavelength longer than the third peak wavelength when irradiated with the UV light from the nanoparticles or nanowires of the first layer.~~

13. **(Currently Amended)** A The system for at least one of skin tanning and phototherapy, comprising:

a first means for at least one of skin tanning and phototherapy; and

a nanostructure UV light emitting device of claim 8, wherein:

~~—— the UV excitation source comprises a gas vessel comprising a gas which is adapted to emits the UV excitation radiation in response to a stimulus; and~~

~~the UV light emitting device comprises at least one layer of nanoparticles coated on an inner surface of at least one UV light transparent wall of the gas vessel.~~

14. (Currently Amended) The system of claim 13, wherein the first means is a means for skin tanning 8, wherein the nanoparticles emit only UVA radiation due to their size.

15. (Currently Amended) The system of claim 13, wherein the first means is a means for phototherapy 8, wherein:

~~the UV excitation source comprises a UV lamp; and~~

~~the UV light emitting device comprises at least one layer of nanoparticles coated on an outer surface of the UV lamp.~~

16. (Currently Amended) The system of claim 15, wherein the first means is a means for lupus phototherapy 8, further comprising a filter located between the UV excitation source and the UV light emitting device, wherein the filter is transparent to the UV excitation radiation having the first peak wavelength and the filter reflects UV light of the second peak wavelength emitted by the UV light emitting device.

17. (Currently Amended) A method system for at least one of skin tanning and phototherapy, comprising providing UVA light from a nanostructure UV light emitting device onto a skin of a human subject who is located in a chamber adapted for at least one of skin tanning and phototherapy in order to at least one of tan the skin and to provide phototherapy for the skin :

~~a first means for at least one of skin tanning and phototherapy; and~~

~~a nanostructure UV light emitting device.~~

18. (Currently Amended) The method system of claim 17, wherein the UVA light tans the skin first means is a means for skin tanning.

19. (Currently Amended) The method system of claim 17, wherein the UVA light provides phototherapy for the skin first means is a means for phototherapy.

20. **(Currently Amended)** The method system of claim 19 ~~17~~, wherein the UVA light provides lupus phototherapy for the skin ~~first means is a means for both skin tanning and phototherapy.~~

21. **(Currently Amended)** The method system of claim 17, wherein the nanostructure UV light emitting device comprises at least one of a nanoparticle and a nanowire UVA light emitting device and the chamber comprises a bed or a booth.

22. **(Currently Amended)** A method for lupus phototherapy, comprising providing UVA light from a light emitting diode or a nanostructure UV light emitting device onto a skin of a human subject to provide lupus phototherapy for the skin ~~The system of claim 21, further comprising a second means for providing UV excitation radiation of a first peak wavelength onto the nanostructure UV light emitting device to cause the nanostructure UV light emitting device to emit UVA light having a second UVA peak wavelength longer than the first peak wavelength.~~

23. **(Currently Amended)** The method system of claim 22, wherein the step of providing comprises providing only UVA UV light from a light emitting diode device ~~comprises nanoparticles having an average diameter smaller than 100 nm.~~

24. **(Currently Amended)** The method system of claim 22, wherein the step of providing comprised providing only UVA UV light from a nanostructure UV light emitting device ~~comprises nanowires having an average thickness smaller than 150 nm.~~

25-43 **(Canceled)**